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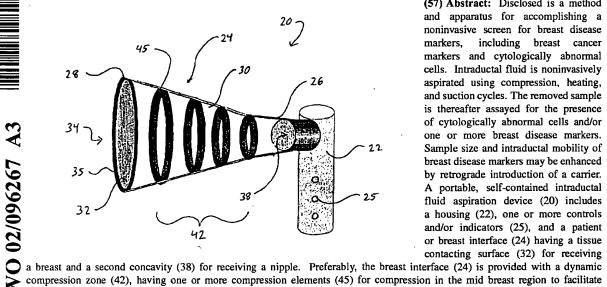
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(54) Title: NONINVASIVE INTRADUCTAL FLUID DIAGNOSTIC SCREEN



(57) Abstract: Disclosed is a method and apparatus for accomplishing a noninvasive screen for breast disease markers, including breast cancer markers and cytologically abnormal cells. Intraductal fluid is noninvasively aspirated using compression, heating, and suction cycles. The removed sample is thereafter assayed for the presence of cytologically abnormal cells and/or

compression zone (42), having one or more compression elements (45) for compression in the mid breast region to facilitate intraductal fluid aspiration.



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PCT/US02/16900

A. CLASSIFICATION OF SUBJECT MATTER IPC(7) : C12Q 1/00; A61M 1/00 US CL : 435/4; 604/74 According to International Patent Classification (IPC) or to both national classification and IPC						
B. FIELDS SEARCHED						
Minimum documentation searched (classification system followed by classification symbols) U.S.: 435/4; 604/74						
Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched						
Electronic data base consulted during the international search (name of data base and, where practicable, search terms used) Please See Continuation Sheet						
C. DOCUMENTS CONSIDERED TO BE RELEVANT						
Category *		tion of document, with indication, where appropriate, of the relevant passages				
X	US 6,221,622 B1 (LOVE) 24 April 2001 (24.04.20	5,221,622 B1 (LOVE) 24 April 2001 (24.04.2001), abstract, columns 2 - 3				
Y			24, 26			
Y	US 5,798,266 A (QUAY et al.) 25 August 1998 (25.08.1998), abstract, columns 4 - 5		24, 26			
A	US 2001/0001059 A1 (LOVE) 10 May 2001 (10.05.2001), entire document		1 - 32			
A, P	US 6,391,026 B1 (HUNG et al.) 21 May 2002 (21.05.2002), entire document		1 - 32			
A, P	US 6,328,709 B1 (HUNG et al.) 11 December 2001 (11.12.2001), entire document		1 - 32			
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	documents are listed in the continuation of Box C.					
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INTERNATIONAL SEARCH REPORT

International application No.

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Box I Observations where certain claims were found unsearchable (Continuation of Item 1 of first sheet)				
This international report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons:				
Claim Nos.: because they relate to subject matter not required to be searched by this Authority, namely:				
Claim Nos.: because they relate to parts of the international application that do not comply with the prescribed requirements to such an extent that no meaningful international search can be carried out, specifically:				
3. Claim Nos.: because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a).				
Box II Observations where unity of invention is lacking (Continuation of Item 2 of first sheet)				
This International Searching Authority found multiple inventions in this international application, as follows: Please See Continuation Sheet				
 As all required additional search fees were timely paid by the applicant, this international search report covers all searchable claims. As all searchable claims could be searched without effort justifying an additional fee, this Authority did not invite payment of any additional fee. As only some of the required additional search fees were timely paid by the applicant, this international search report covers only those claims for which fees were paid, specifically claims Nos.: 1 - 32 				
4. No required additional search fees were timely paid by the applicant. Consequently, this international search report is restricted to the invention first mentioned in the claims; it is covered by claims Nos.: Remark on Protest The additional search fees were accompanied by the applicant's protest. No protest accompanied the payment of additional search fees.				

